Food Safety & Standards(Packaging) Regulations, 2018

fssai
To bring new packaging standards
Key Food
French Fries
SALT
Syrup
HOMESTYLE
Waffles
DIJON
GREEN TEA
CRANBERRIES
Cocktail
MACARONI & CHEESE

- **Package / Container**: Pre-packaged box, bottle, casket, tin, barrel, case, pouch, receptacle, sack, bag, wrapper or such other things in which an article of food is packed.
- **Packaging Material**: Materials such as cardboard, paper, glass, metal, plastic, multi-layer packaging material used for packaging of food products
- **Food Grade**: Material made of substances which are safe and suitable for their intended use, and shall not endanger human health or result in unacceptable change in the composition of the food or organoleptic characteristics
- **Primary food packaging** : Packaging material in direct contact with food products
- **Secondary food packaging** : Packaging material which encloses the primary food packaging and does not come in direct contact with food products
- **Overall migration limit**: The maximum permitted amount of nonvolatile substances released from a material or article into food simulants
- **Specific migration limit :** The maximum permitted amount of a given substances released from a material or article into food simulants exa: Ba,Co, Cu,Fe,Li, Mn,Zn,Sb,Phthalic acid etc

General requirements

Every food business operator shall ensure that the packaging material used shall be

- In compliance with **Indian Standards** or relevant international standards
- Food grade quality
- Suitable for the type of product, the conditions provided for storage and the equipment for filling, sealing and packaging, transportation
- Able to withstand mechanical, chemical or thermal stresses encountered during normal transportation. In case of flexible or semi-rigid containers, an overwrap packaging may be necessary
- Food products shall be packed in clean, hygienic and tamper-proof package or container.
- The sealing material shall be compatible with the product and the containers

- Tin containers once used, shall not be re-used for packaging of food
- Plastic containers and Glass bottles, which are reused for packaging of food, shall be suitably durable, easy to clean or disinfect.
- Printing inks for use on food packages shall conform to **IS: 15495.**
- Printed surface of packaging material shall not come into direct contact with food products.
- Newspaper or any such material shall not be used for storing and wrapping of food.
- Packaging material which comes in direct contact with food or likely to come in contact with food shall meet the requirements of packaging materials specified in Schedule I, II and III of these regulations.
- Every food business operator shall obtain the certificate of conformity issued by NABL accredited laboratory against these regulations for the packaging material which comes in direct contact with food or layers likely to come in contact with food to be used.

Specific Requirements for Primary food packaging.

- (1**) Paper and board materials** -- shall conform to the Indian Standards specified in Schedule I
- (2) **Glass containers** -- free from blisters, mould marks, stones and chippings, visual defects, have a smooth surface and sealing surface free from hairline cracks and prominent seam marks
- (3) **Metal and Metal Alloys** - shall conform to the Indian Standards specified in Schedule II
- (4) **Plastic materials** - shall conform to the Indian Standards specified in Schedule III

Drinking water

- packed in colourless, transparent and tamper-proof bottles or containers made of

a) polyethylene (PE) - IS: 10146

b) polyvinyl chloride (PVC) - IS: 10151

c) polyalkylene terephthalate (PET and PBT) - IS: 12252

d) polypropylene (PP) - IS: 10910

e) food grade polycarbonate - IS: 14971

f) polystyrene - IS: 10142

g) sterile glass bottles

- The transparency of a container shall not be less than 85 percent in light transmittance
- Pigments or Colorants for use in plastics shall conform to IS: 9833

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भारतीय खाद्य संरक्षा एवं मानक प्राधिकरण

(स्वास्थ्य एवं परिवार कल्याण मंत्रालय)

(विज्ञान एवं मानक विभाग)

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Dated, 17 December, 2025

विषय: पैकेटबंद पेयजल और मिनरल वाटर के परीक्षण की योजना का अनुपालन ।

Subject: Compliance of Scheme of Testing for Packaged Drinking Water & Mineral Water -reg.

FSSAI has gazette notified omission of the provision for mandatory BIS certification under Food Safety and Standards (Prohibition and Restriction of Sales) Regulation, 2011 vide dated 17th October, 2024. The mandatory Bureau of Indian Standards Certification Mark is no longer required for Packaged Drinking Water (PDW) & Mineral Water (MW).

2. In continuation of the above omission of mandatory BIS certification, the scheme of testing of "Packaged Drinking Water" & "Mineral Water" is made in order to ensure safety & compliance of Packaged Drinking Water (PDW) & Mineral Water (MW) in the Indian market. Therefore, all FBOs are directed to strictly comply with the same with effective from 01.01.2026.

3. यह मामला सक्षम प्राधिकारी की स्वीकृति से संबंधित है।

Annex: Scheme of testing

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Executive Director (Compliance Strategy)

Table 1

Requirement for specific migration limits of substances from plastic materials intended to be in contact with articles of food

SI. No.	Substances	Maximum Migration Limit (mg/Kg)
1.	Barium	1.0
2.	Cobalt	0.05
3.	Copper	5.0
4.	Iron	48.0
5.	Lithium	0.6

6.	Manganese	0.6
7.	Zinc	25.0
[2][8.	Antimony	0.04
9.	Phthalic acid, bis (2-ethylhexyl) ester (DEHP)	1.5]

5. A list of suggestive packaging materials which may be used for packaging of food products falling under the specified categories is provided in **Schedule – IV**:

Schedule – I

Paper and board materials intended to come in contact with food products

Sl. No	List of Standards
1.	Grease proof paper – IS 6622
2.	Vegetable parchment or Grease proof paper or Aluminium Foil Laminate – IS 7161
3.	Aluminium Foil Laminates for Packaging – IS 8970
4.	General purpose packing or wrapping Paper – IS 6615
5.	Folding Box Board, uncoated – IS 1776
6.	Corrugated Fibre Board Boxes- Specification (Part 1) – IS 2771

Note: The wax used for coating the paper or board shall be paraffin wax conforming to Type I of IS 4654.

Schedule – II

Metal and Metal Alloys intended to come in contact with food products

Sl. No	List of Standards
1.	Cold-reduced Electrolytic Tinplate – IS 1993/ISO 11949
2.	Cold reduced Electrolytic Chromium or Chromium Oxide – Coated Steel - IS 12591/ISO 11950
3.	Wrought Aluminium and Aluminium Alloy Sheet and Strip for General Engineering – IS 737
4.	Aluminium and Aluminium Alloy Bare Foil for Food Packaging – IS 15392
5.	Specification for Crown Closures – IS 1994
6.	Specification for Round Open Top Sanitary Cans for Foods and Drinks – IS 9396 (Part 1)
7.	Specification for Round Open Top Sanitary cans for Foods and Drinks – IS 9396 (Part 2)

Schedule – III

Plastic Materials intended to come in contact with food products

Sl. No.	List of Standards
1.	Specification for Polyethylene for its safe use in contact with foodstuffs, pharmaceuticals and drinking water – IS 10146
2.	Specification for Polystyrene for its safe use in contact with foodstuffs, pharmaceuticals and drinking water – IS 10142
3.	Specification for Polyvinyl Chloride (PVC) and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water – IS 10151
4.	Specification for Polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water – IS 10910
5.	Specification for Ionomer Resins for its safe use in contact with foodstuffs, pharmaceuticals and drinking water – IS 11434
6.	Specification for Ethylene Acrylic Acid (EAA) copolymers for their safe use in contact with foodstuffs, pharmaceuticals and drinking water – IS 11704
7.	Specification for Polyalkylene Terephathalates (PET & PBT) for their safe use in contact with foodstuffs, pharmaceuticals and drinking water - IS 12252
8.	Specification for Nylon 6 Polymer for its safe use in contact with foodstuffs,

Schedule – IV

List of suggestive packaging materials

Sl.No.	Product Category	Types of Packaging materials
1.	Milk and milk products	• Glass bottle with metal caps or plastic (polypropylene (PP) or High-density polyethylene (HDPE)) caps.
		• Plastic Based multi layered flexible laminated heat sealed pouch. • Mud or clay pots. • Thermoformed Plastic container (blister pack) with aluminium foil or polyethylene (PE) based lid
2.	Fats, oils and fat emulsions	• Tin plate container. • Glass bottle with metal caps or plastic polypropylene (PP) or High-density polyethylene (HDPE) caps. • Plastic rigid container (jar) made of High-density polyethylene (HDPE). • Plastic bottle or Jar Polyethylene terephthalate (PET) with plastic caps. • Plastic Pouch made of Multi layered laminated or co-extruded structure. • Aseptic and flexible packaging material (Paper board or Aluminium foil or polyethylene) based multilayered structure. • Plastic laminated pouch in duplex board box (Bag in Box). • Thermoformed plastic based jar with plastic caps. • Paper based lined cartons with liner made of aluminium foil based laminated structure.
3.	Fruit & Vegetable products	• Glass bottle with metal caps or plastic (polypropylene (PP) or High-density polyethylene (HDPE) caps. • Aluminium can with easy open end. • Tinplate container.

Thanks for your attention……..